

ISLAMBEKOV, R.K.; BEKMUKHAMEDOVA, Z.U.; TURAKULOV, Ya.Ka.

Pathogenesis of thyrotoxic crises following strumectomy and
during radioiodine therapy of toxic goiter. Med. zhur. Uzb.
no.6:3-7 Je'63 (MIRA 17:3)

1. Iz Instituta krayevoy eksperimental'noy meditsiny AMN SSSR
(dir. - prof. G.M. Makhkamov).

AULOV, D.M.; ISLAMBEKOV, R.K.; TURAKULOV, Ya.Kh.; IOFFE, K.G.

Effect of epiphysectomy on the morphology and functional activity of the thyroid gland. Uzb.biol.zhur. 7 no.2:16-20'63.
(MIRA 16:8)

1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR.
(THYROID GLAND) (PINEAL BODY SURGERY)

ISLAMKHODZHAYEV, S.S.

Brown Latvian cattle in the Uzbek S.S.R. Zhivotnovodstvo 21 no.2:56-58
F '59. (MIRA 12:3)

1. Institut zoologii AN Uzbekskoy SSR.
(Uzbekistan--Cattle breeds)

ISLAMKHODZHAYEV, S.

Losses could have been smaller. Fin. SSSR 38 no.1:46-47 Ja '64.
(MIRA 17:2)

1. Starshiy ekonomist Ministerstva finansov UzSSR.

VIRSKAYA, G.M.; AKHMEDOV, K.S.; ISLAMKHODZHAYEVA, A.

Temperature dependence of the swelling of polyvinyl chloride in
diethyl oxalate and its mixture with dichloroethane. Nauch.trudy
TashGU no.257.Khim.nauki no.12:78-81 '64.

(MIRA 28:8)

MAKHNEV, S.G.; ARGUNOV, Ye.I.; ISLAMKULOV, A.M.

Metal detector for the control of asbestos ores. Trudy NIIsbest
no.2:110-116 '62. (MIRA 16:12)

ISLAMOV, A.

~~More attention to mass work.~~ Radio no.7:13 J1'55. (MLRA 8:10)

1. Instruktor komiteta Dobrovol'nogo obshchestva sodeystviya
armii, aviatsii i flotu Bashkirskoy ASSR
(Ufa--Radio clubs)

ISLAMOV, A.

A strong building materials and equipment production base
guarantees success. Sel'. stroi. 16 no.1:4-7 Ja '62.

(MIRA 16:1)

1. Glavnyy inzh. tresta "Sel'stroy" Checheno-Ingushskoy ASSR.
(Chechen-Ingush A.S.S.R.--Construction industry)

RAYKHMAN, A.Z., inzh.; ISLAMOV, A.A., tekhn.

Preparing standard specimens for the ultrasonic control of weldments. Svar. proizvod. no.1:31-32 Ja '64. (MIRA 17:1)

1. Ural'skoye otdeleniye Gosudarstvennogo tresta po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey.

S/056/62/043/003/011/063
B125/B102

AUTHORS: Kaipov, D. K., Shubnyy, Yu. K., Begzhanov, R. B., Islamov, A. A.

TITLE: Resonance scattering of γ -quanta from Sn^{116} nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 808-812

TEXT: The method of resonance scattering was applied to 1290-kev γ quanta from the Sn^{116} nuclei of a gaseous $\text{In}^{116}\text{mCl}_3$ source (Fig. 1) to determine the lifetime of the first excited 1.29-Mev level. A similar value is obtained by the method of Coulomb excitation. The InCl_3 produced from enriched metallic indium was sublimated into a quartz ampoule, which was then evacuated and subjected for 1 hr to the thermal neutron flux ($\sim 10^{13}$) of a BBP-C (VVR-S) reactor. Following this it was heated to 500-550°C for 1 to 2 hrs so that InCl_3 sublimed (~ 0.7 atm). The γ -quantum scattering was measured by two symmetrically arranged scintillation

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Resonance scattering of ...

S/056/62/043/003/011/063
B125/B102

spectrometers (Fig. 1). The time dependence of the counting rate was determined by using first a solid source and then a heated gaseous source in 28 series of measurements. With cold sources the increase in the counting rate with time is approximately exponential and with gaseous sources almost exactly so. Owing to the resonance effect the transition of InCl_3 into the gaseous state creates a peak at 1.29 Mev in the scattered radiation spectrum. Allowing for the self-absorption of the γ -quanta in the scatterer and their angular distribution the mean value $\bar{\sigma}$ of the resonance cross section is $\bar{\sigma} = (5.31 \pm 0.50) \cdot 10^{-26} \text{ cm}^2$. No $\beta\gamma$ and no $\gamma\gamma$ correlations are assumed in the cascade, and the free ^{116}m atom is repelled. Taking account of all cascades $N(E_p) = 0.0127 \text{ ev}^{-1}$ follows for the microspectrum. From this value, and from the experimentally determined value of $\bar{\sigma}$, the lifetime of the 1.29-Mev level is $\tau_\gamma = (1.8 \pm 0.27) \cdot 10^{-12} \text{ sec}$ (transition $2^+ \rightarrow 0^+$). For the same lifetime the method of self-absorption gives $\tau_\gamma = (6.4 \pm 2.7) \cdot 10^{-13} \text{ sec}$. This value agrees with that obtained from the Coulomb excitations. The considerable divergence between the lifetimes found by the two methods

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S/056/62/043/003/011/063
B125/B102

Resonance scattering of ...

is due to the effect of the chemical bonds in the molecule on the energy distribution of the γ -quanta. The E2-transition with $E_\gamma = 1290$ kev (solid source) is an accelerated transition with the acceleration factor 10.5. There are 5 figures.

ASSOCIATION: Institut yadernoy fiziki Akademii nauk Kazakhskoy SSR (Institute of Nuclear Physics of the Academy of Sciences Kazakhskaya SSR). Institut yadernoy fiziki Akademii nauk Uzbekskoy SSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: April 19, 1962

Fig. 1. Schematic drawing of the experimental arrangement.

Legend to Fig. 1: (1) source; (2) electric furnace; (3), (4) Sn and Cd absorber (in experiments with self-absorption); (5) lead cone; (6), (9) Sn and Cd scatterer; (7) NaJ (Tl) crystal, (8) photomultiplier.

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BEGZHANOV, R.B.; KAIPOV, D.K.; SHUBNYY, Yu.K.; ISLAMOV, A.A.

Lifetime of the 1.29 Mev. level in Sn^{116} . Izv. AN Uz.SSR. Ser.
fiz.-mat. nauk 7 no.5:45-50 '63. (MIRA 17:8)

1. Institut yadernoy fiziki AN UzSSR.

L 17128-63 EWI(m)/BDS AFFTC/ASD S/0166/63/000/002/0049/0055 55
 54
 ACCESSION NR: AP3000220

AUTHORS: Begzhanov, R. B.; Islamov, A. A.; Kaipov, D. K.; Shubnyy, Yu. K.

TITLE: Determining the half-life of Fe^{56} nucleus

SOURCE: AN UzSSR. Izv. Seriya fiziko-matem. nauk, no. 2, 1963, 49-55

TOPIC TAGS: resonant scattering, half-life, decay, gaseous source

ABSTRACT: The method of resonant scattering was used to determine the half-life of the first excitation state of Fe^{56} at 0.845 MeV energy level. The compound MnCl_2 was used as the gaseous source scatterer (with Mn^{56} half-life of 2.56 hrs). To measure self-absorption with good accuracy the experiment was set up in both plane and curved scattering geometries. Compared to a solid Cu-scatterer an increase in count was obtained from the gaseous scatterer. This increase was 10-12% for the curved geometry and 18-20% for the plane case. Moreover, the plane geometry provided a better screening of nonresonant scattering in the energy range 0.785-0.955 MeV. The half-life thus determined was $(9.6 \pm 1.8) \cdot 10^{-12}$ seconds. Orig. art. has 5 figures, 2 formulas, and 2 tables.
 ASSN: Institute of Nuclear Physics, Academy of Sciences, Uzbek SSR.

Card 1/8 /

S/056/63/044/001/026/067
B104/B144

AUTHORS: Begzhanov, R. B., Islamov, A. A., Kaipov, D. K.,
Shubnyy, Yu. K.

TITLE: Lifetime of the 0.845 Mev level of the Fe^{56} nucleus

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44,
no. 1, 1963, 137-141

TEXT: Resonance scattering of γ -quanta on the 0.845 Mev level of Fe^{56} is investigated using a ring and a plane scatterer and a self-absorption method with a gaseous MnCl_2 source ($T_{1/2}$ of Mn^{56} being 2.56 hrs). To determine the lifetime the mean cross section of resonance scattering was measured, and the energy distribution of the γ -quanta emitted was calculated theoretically. The annular Fe scatterer was of 37.5 cm in diameter, 13.5 cm high and 0.9 cm thick. The plane scatterer was a plate (30-30-1 cm), the mean scattering angle was 104° . The plane scatterer gave better screening of the source than the ring scatterer, and this considerably reduced the non-resonance scattering in the energy range of 0.785-0.955 Mev. To reduce the effect of Compton quanta, the

Card 1/2

BERDINOV, R. B.; ISLAMOV, A. A.; MIRZAKHIDOV, M. M.

"Resonance Scattering of Gamma Rays on Nuclei Si^{28} , Zn^{66} , Ce^{140} ."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi,
14-22 Feb 64.

IYAF, AN UzSSR (Inst Nuclear Physics, AS UzSSR)

ACCESSION NR: AP4031182

S/0056/64/046/004/1486/1488

AUTHOR: Begzhanov, R. B.; Islamov, A. A.

TITLE: Resonance scattering of Gamma quanta by Ce-140 nuclei

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 4, 1964, 1486-1488

TOPIC TAGS: cerium 140, lanthanum 140, lanthanum 140 decay, resonant scattering, gamma quantum scattering, quadrupole transition, excited state lifetime

ABSTRACT: Resonant scattering of 1597-keV γ quanta emitted by Ce^{140} nuclei resulting from the decay of La^{140} was investigated by an experimental procedure analogous to that used by the authors earlier (ZhETF v. 44, 137, 1963). The self-absorption method was used to determine the lifetime of the excited state. The width of the 1597-keV level was found to be $(3.07 \pm 1.14) \times 10^{-3}$ eV, corresponding to a lifetime of $(2.15 \pm 0.80) \times 10^{-13}$ sec for the lifetime of the 1597-keV excited state of Ce^{140} . The value of the lifetime agrees well with data on Coulomb excitation. Since calculations by the Weisskopf-Moszkowski formula give a lifetime of 17.8×10^{-13} sec, the 1597-keV quadrupole E2 transition in the Ce^{140} is accelerated by a factor of 8, indicating the collective nature of the excitation. Original article has: 2 figures.

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ACCESSION NR: AP4031182

ASSOCIATION: Institut yadernoy fiziki Akademii nauk Uzbekskoy SSR (Institute of Nuclear Physics, Academy of Sciences Uzbek SSR)

SUBMITTED: 09Oct63

DATE ACQ: 07May64

ENCL: 02

SUB CODE: NP

NR REF SOV: 003

OTHER: 001

Card

2/4

ACCESSION NR: AP4031182

ENCLOSURE: 01

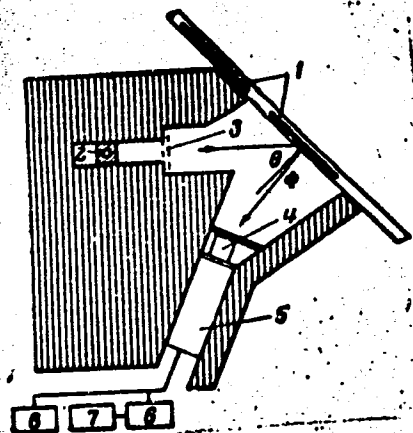
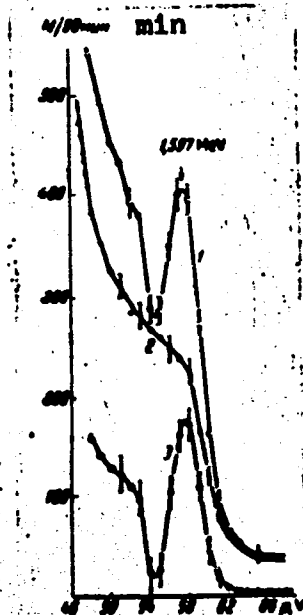


Diagram of experimental setup. 1 - scatterers on moving slides, 2 - source in aluminum can, 3 - position of absorber (in experiment with self-absorption), 4 - NaI(Tl) crystal, 5 - photomultiplier, 6 - single-channel pulse analyzer, 7 - counting unit, 8 - 100-channel pulse analyzer (AI-100)

Card 3/4.

ACCESSION NR: AP4031182

ENCLOSURE: 02



Resonance scattering of γ quanta on Ce^{140} nuclei: 1 - spectrum of scattered radiation from CeO_2 scatterer, 2 - spectrum of radiation scattered from BaO , 3 - difference between 1 and 2

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WRITE BELOW THIS LINE

POSTCARD

ACCESSION NR: AP4043657

S/0056/64/047/002/0768/0770

AUTHORS: Begzhanov, R. B.; Islamov, A. A.

TITLE: Resonance scattering of gamma quanta by Sr-88 nuclei

SOURCE: Zh. eksper. i teor. fiz., v. 47, no. 2, 1964, 768-770

TOPIC TAGS: excited state, half life, strontium, gamma scattering, resonance scattering, radiation spectrum, even even nucleus

ABSTRACT: A self-absorption method (F. R. Metzger, Phys. Rev. v. 110, 123, 1958) was used to determine the true value of the lifetime of the excited state of Sr⁸⁸ produced by resonant scattering of gamma quanta using a target in the form RbNO₃. The incident neutron flux was 1.8×10^{13} neutron-cm⁻² sec⁻¹ from the VVR-S reactor of IYAF AN UzSSR. The experimental geometry was described earlier (ZhETF, v. 44, 137, 1963). The resonance effect was determined by analyzing the spectrum of scattered radiation, registered by a 100-channel

Card 1/2

ACCESSION NR: APS011044 UR/0166/6E/000/002/0007/0011

AUTHORS: Begzhanov, R. B.; Islamov, A. A.

TITLE: Resonant scattering of gamma quanta by Ce-140 nuclei

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, 1979, 1, 1-2, 1-11

TOPIC TAGS: gamma scattering, resonant scattering, excited state, 1597 keV

ABSTRACT: Because of some contradictions in the previously reported values of the lifetime of the 1597 keV first excited state of ^{140}Ce , measurements were made of the source La^{140} (40 hours lifetime) and the resonant radiation. The source, which was exposed to a beam of 1.5×10^{10} neutrons from the reactor of Institut yadernoy fiziki (Institute of Nuclear Physics, AN UzSSR). The source activity at the start of the

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1 02205-65

ACCESSION NR: AF5011675

measurement was 300 mCu for the solid source and 200 mCu for the liquid source. The experimental set-up is shown in Fig. 1 of the Enclosure. The value of the lifetime was determined from the decrease in the effect produced by a resonant absorber placed between the source and the scatterer. The value obtained was $(2.15 \pm 0.80) \times 10^{13}$ sec. This value is in good agreement with data obtained elsewhere on the lifetime of the ^{60}Co isotope with the empirical formula given by E. G. Prokhorov (Phys. Lett. v. 1, 48, 1962). Original article has: 3 figs.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR (Institute of Nuclear Physics, AN UzSSR)

SUBMITTED: 02Mar64

ENCL: 01

SUB CODE: NP

NR REF SOV: 003

OTHER: 003

Card 2/3

ENCLOSURE

ACCESSION NR: AP5011675

ENCLOSURE: 01

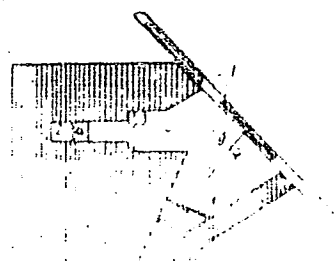


Fig. 1. Diagram of experimental set-up.

1 - Scatterers on moving slides, 2 - source in aluminum container, 3 - position of absorber (in self-absorption experiment), 4 - NaI(Tl) crystal, 5 - photomultiplier, 6 - single-channel pulse

analyzer, 7 - counter, 8 - A11100 pulse-height
analyzer.

Card 3/3

ACC NR: AP7013697

SOURCE CODE: UR/0367/67/005/002/0250/0254

AUTHOR: Begzhanov, R. B.; Islamov, A. A.; Starodubtsev, S. V. -- Starodubcev, S. V.

ORG: Nuclear Physics Institute, AN UzSSR (Institut yadernoy fiziki AN UzSSR)

TITLE: Nuclear resonance fluorescence of Sm^{152} ; Nature of the 963 keV (1-) level

SOURCE: Yadernaya fizika, v. 5, no. 2, 1967, 250-254

TOPIC TAGS: resonance scattering, nuclear resonance, Gamma quantum, even even nucleus, samarium, fluorescence

SUB CODE: 20

ABSTRACT: The resonance scattering of γ -quanta is used to investigate the 963 keV 1- level in Sm^{152} . The use of low temperatures (78° K) enhanced the absorption effect and made it possible to determine with good accuracy the life time $\tau = (5.15 \pm 0.50) \times 10^{-14}$ sec of the level by the self-absorption method. An attempt is made to find certain regularities in the behaviour of the nuclear matrix elements and the probabilities of E1 transitions in even-even nuclei. Orig. art. has: 2 figures, 2 formulas and 2 tables. [Based on authors' Eng. Abst.] [JPRS: 40570]

Card 1/1

MAVLIYANOV, G.A.; MIRZAYEV, S.Sh.; ISLAMOV, A.I.; KENESARIN, H.A.,
otv.red.; ASTAKHOV, A.N., red.; KARABAYEVA, Kh.U., tekhn.red.

[Underground waters and the properties of rocks in the
Tashkent region] Podzemnye vody i fiziko-mekhanicheskie svoi-
stva gornyykh porod Pritashkentskogo raiona. Tashkent, Izd-
vo AN UzSSR, 1963. 177 p. (MIRA 16:12)

1. Chlen-korrespondent AN Uzbekskoy SSR (for Kenesarin).
(Tashkent Province—Water, Underground)
(Tashkent Province—Engineering geology)

MAVLYANOV, G.A., akademik, otv. red.; KENESARIN, N.A., zam. otv. red.; KRYLOV, M.M., prof., zam. otv. red.; GRAFUROV, V.G., kand. geol.-min. nauk, red.; KHASANOV, A.S., kand. geol.-min. nauk, red.; KHODZHIBAYEV, N.N., kand. geol.-min. nauk, red.; IVANOVA, M.F., kand. geol.-miner. nauk, red.; ISLAMOV, A.I., kand. geol.-min. nauk, red.; SULTAN-KHODZHAYEV, A.N., red.; ASTAKHOV, A.N., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Conditions in Uzbekistan from the point of view of hydro-geology and engineering geology] Gidrogeologicheskie i inzhenerno-geologicheskie uslovia Uzbekistana. Tashkent, Vol.1. 1963. 194 p. (MIRA 16:8)

1. Akademiya nauk Uzbekskoy SSR. Tashkent. Institut gidrogeologii i inzhenernoy geologii. 2. AN Uzb.SSR (for Mavlyanov).
3. Chlen-korrespondent AN Uzb.SSR (for Kenesarin).
(Uzbekistan--Water, Underground)
(Uzbekistan--Engineering geology)

ISLAMOV, A.I.; KADYROV, E.V.

Changes of some physicochemical properties of loess after settling.
Uzb.geol.zhur. 7 no.2:44-52 '63. (MIRA 17:2)

1. Institut gidrogeologii i inzhenernoy geologii AN UzSSR.

KARPOV, P.M.; ISLAMOV, A.I., kand. geol.-min. nauk, otv. red.;
NURATDINOVA, M.R., red.

[Subsidence phenomena in the virgin lands of the Golodnaya
Steppe] Prosadochnye iavleniia na tselinnykh zemliakh
Golodnoi stepi. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR,
1964. 188 p. (MIRA 17:6)

KARIMDZHANOV, A.K.; SADIYKOV, A.S.; ISMAILOV, A.I.

Composition of tanning materials in cotton infected by *Verticillium*
dahliae wilt. Nauch.trudy TashGU no.263.Khim.nauki no.13:98-103 '64.
(MIRA 18:8)

SADYKOV, A.S.; ISMAILOV, A.I.; MAVLYANOVA, Yu.U.

Formation of gossypol in cotton. Nauch.trudy TashGU no.253.Khim.
nauki no.13:104-108 '64. (MIRA 18:8)

SADYKOV, A.S.; ISMAILOV, A.I.; ISKANDAROVA, D.

Effect of a presowing irradiation of seeds on the dynamics of
gossypol accumulation. Nauch.trudy TashGU no.263.Khim.nauki
no.13:109-111 '64.

(MIRA 18:8)

MANEV, M., A.S.; SARIYEV, A.S.; ISMAILOV, A.I.

Method of preparation and purification of artificial gossypurpurin.
Nauch.trudy TashGU no.263.Khim.nauki no.13:112-116 '64.

New methods of extraction of natural gossypurpurin. Ibid.:117-121
(MIRA 18:8)

~~ISLAMOY, B.~~ (Ufa); URIN, L. (Dnepropetrovsk); KROSHCHKIN, V. (g. Yegor'yevsk);
~~KRAVTSEV, A.~~ (Bryansk)

In trade-union organizations. Sov. profsoiuzy 6 no.1:95 Ja '58.
(MIRA 11:1)

(Trade unions)

ISLAMOV, BEYUK-AGA MAHED-KULI OGLY

ISLAMOV, BEYUK-AGA MAHED-KULI OGLY -- "TECHNIQUE OF MODERN NET CAST FISHING FOR HERRING
IN THE HERRING REGIONS OF AZERBAIDZHAN," SUB 23 JUN 52, MOSCOW TECHNICAL INST OF
FISH INDUSTRY AND ECONOMY IMENI A. I. MIKOYAN (DISSERTATION FOR THE DEGREE OF CANDIDATE
IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

ARTEMOV, K.P.; GOL'DBERG, V.Z.; ISLAMOV, B.I.; RUDAKOV, V.P.; SERIKOV, I.N.

Elastic scattering of He^3 ions on Be^9 , N^{14} , and O^{16} . Izv. fiz.
1 no.4:629-632 Ap '65. (MIRA 18:5)

ARTEMOV, K.F.; GOLDBERG, V.Z.; ISLAMOV, D.I.; KUPCHENKO, I.P.; SERIACH, I.I.

The (He^3, α) reaction on Be^9 , M^{24} , and M^{26} . *Zh. eksptl. i teoret. fiz.* 1 no.6:
1019-1024. Jan '65. (MIRA 18:6)

ARIFOV, U.A.; AYUKHANOV, A.Kh.; ISLAMOV, I.I., chlen-korrespondent.

Modernized drying cabinet. Dokl.AN Uz.SSR no.8:30-33 '49. (MLBA 6:5)

1. Fiziko-tekhnicheskoy institut AN Uz.SSR (for Arifov, Ayukhanov).
2. Akademiya Nauk Uzbekskoy SSR (for Islamov). (Drying apparatus)

VEKSLER, V.I.; KLEYN, G.A.; ISLAMOV, I.I., chlen-korrespondent.

Secondary emission from surfaces of nickel and graphite caused by bombardment with positive mercury ions. Dokl. AN Uz. SSR no. 12:15-18 '49.

(MLRA 6:5)

1. Fiziko-tekhnicheskiy institut AN Uz. SSR (for Veksler, Kleyn).
2. Akademiya Nauk Uzbekskoy SSR (for Islamov). (Collisions (Nuclear physics))

ISLAMOV, I.I.

Electrophoretic examination of blood proteins and edematous fluid in experimental pulmonary edema in dogs. Dokl.AN Tadzh.SSR no.12:65-69 '54.(MIRA 9:9)

1.Kafedra patologicheskoy fiziologii Stalinabadskogo gosudarstvennogo meditsinskogo instituta imeni Avitsenny.
(EDEMA) (BLOOD PROTEINS)

ISLAMOV, I. I.

USSR/Medicine - Physiology

Card 1/1 ; Pub. 22 - 40/44

Authors ; Islamov, I. I.

Title ; Electrophoretic study of blood albumina and discharge fluid during experimental emphysema of dogs

Periodical ; Dok. AN SSSR 97/6, 1089-1092, Aug 21, 1954

Abstract ; The importance of studying the composition of exudations and transudations for determining the pathogenesis of inflammation and edema, is explained. The method of electrophoretic investigation of blood albumina and discharge fluid during experimental emphysema of animals, is described. Seven references: 6-USSR and 1-USA (1935-1953). Tables.

Institution : The Avitsenna State Medical Institute, Stalinabad

Presented by : Academician A. I. Abrikosov, May 14, 1954

ISLANOV, I. I.

"Use of Marked Atoms in the Study of Processes of Re-
sorption from the Normal and the Inflamed Skin." Stalinabad State
Medical Inst imeni Abuali ibn-Sina (Avicenna), Stalinabad, 1955.
(Dissertation for the Degree of Candidate in Medical Sciences)

SO: M-955, 16 Feb 56

ISLAMOV, I.-I.

Biological significance of inflammation; resorption of potassium
cyanide from a focus of inflammation; Trudy Stal, med. inst. 21:
141-146 '56 (MIRA 11:8)

(INFLAMMATION)

(CAPILLARIES--PERMEABILITY)

ISLAMOV, I.I., MEDNIK, G.I.

The barrier function of a focus of inflammation. Trudy Stal.med.
inst. 21:257-258 '56 (MIRA 11:8)

(CAPILLARIES--PERMEABILITY)
(INFLAMMATION)

ZABLUDSKIY, B.D., ISLAMOV, I.I.

Studying capillary blood circulation in the human skin by using
tagged atoms. Trudy Stal.med.inst. 21:259-261 '56 (MIRA 11:8)
(SKIN--BLOOD SUPPLY)

ISIAMOV, I.I.

Lymph circulation rate in a focus of inflammation. Biul. eksp.
biol. med. 47 no.5:51-53 My '59. (MIRA 12:7)

1. Iz kafedry patologicheskoy fiziologii Stalinabadskogo meditsinskogo
instituta i kafedry anatomii i fiziologii Tadzhikskogo sel'skokhozyay-
stvennogo instituta (Nauchnyy rukovoditel' - prof. I.A. Gyvin). Pred-
stavlena deystvitel'nyy chlenom AMN SSSR A.Ye. Braunshteynom).

(INFLAMMATION, exper.

lymph circ. rate in focus of inflamm (Rus))

(LYMPH,

circ. rate in focus of exper. inflamm. (Rus))

ISLAMOV, I. I., MAKAROVA, A. V., and GOREUNOVA, N.A. (Candidate of Medical Sciences, Assistant, Tadzhik Institute, Candidate of Agricultural Sciences)

The effect of antobrucellosis vaccination on albumin and albumin blood fractions.

Veterinariya vol. 38, no. 9, September 1961, pp. 27.

Cand. Med. Sci

GORBUNOVA, N.A., kand. sel'skokhoz. nauk; ISLAMOV, I.I., kand. med.
nauk; MAKAROVA, A.V., assistant

Effect of vaccination against brucellosis on blood proteins
and protein fractions. Veterinarila 38 no.9:27-29 S '61.
(MIRA 16:8)

1. Tadzhikskiy sel'skokhozyaystvennyy institut.

ISLAMOV, Kh.B., inzh.

Reduce delays and costs of mine building. Shakht.stroi.
no.1:4-5 Ja '60. (MIRA 13:5)

1. Donetskii nauchno-issledovatel'skiy institut nadshakhtnogo
stroitel'stva.
(Mining engineering)

ISLAMOV, Khoze Bulatovich; GORODNICHEV, Vasilii Mikhaylovich;
GRAMMATIKOV, A.N., otv. red.; SHMELEV, A.I., red.izd-va;
MAKSIMOVA, V.V., tekhn. red.

[Handbook on construction on the surface of coal mines]
Spravochnik po stroitel'stvu poverkhnosti ugol'nykh shakht.
Moskva, Gosgortekhnizdat, 1962. 299 p. (MIRA 16:3)
(Mine buildings)

ISLAMOV, K.Sh.

Observations at the Budzhakh Seismic Station. Izv. AN Azer. SSR.
Ser. geol.-geog. nauk no. 1:95-102 '59. (MIRA 12:5)
(Budzhakh--Seismology--Observations)

BAGDASAROVA, A.M.; ISLAMOV, K.Sh.; KORIDALIN, Ye.A.; KUZNETSOV, V.P.;
KUZ'MINA, N.V.; NENILINA, V.S.; NERSESOV, I.L.; SULTANOVA, Z.Z.;
KHARIN, D.A.

Seismicity of the eastern part of the southern spurs of the
Greater Caucasus and some problems of methodology in studying
the seismicity of individual regions. Report No.1. Izv.AN Azerb.SSR.
Ser.geol.-geog.nauk no.6:121-131 '59. (MIRA 15:4)
(Caucasus--Seismology)

BAGDASAROVA, A.M.; ISLAMOV, K.Sh.; KORIDALIN, Ye.A.; KUZNETSOV, V.P.;
KUZ'MINA, N.V.; NENILINA, V.S.; NERSESOV, I.L.; SULTANOVA, Z.Z.;
KHARIN, D.A.

Seismology of the eastern part of the southern spurs of the Greater
Caucasus and some problems of methodology in studying the seismology
of individual regions: Izv.AN Azerb.SSR.Ser.geol.-geog.nauk no.5:
21-31 '60. (MIRA 14:5)

(Caucasus--Seismology)

S/169/62/000/004/006/103
D228/D302

AUTHORS: Bagdasarova, A. M., Islamov, K. Sh., Koridalin, Ye. A.,
Kuznetsov, V. P., Kuz'mina, N. V., Nenilina, V. S.,
Nersesov, I. L., Sultanova, Z. Z. and Kharin, D. A.

TITLE: Seismicity of the eastern part of the southerly spurs
of the High Caucasus Range and some methodical ques-
tions of the study of the seismicity of separate are-
as. Communication 3

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 16, ab-
stract 4A125 (Izv. AN AzerbSSR, ser. geol.-geogr. n.
i nefiti, no. 4, 1961, 13-24)

TEXT: The hodographs of the earthquakes of the south-western Cau-
casus are examined together with the results of study of this ter-
ritory's seismicity. Hodographs for all the main wave-types were
constructed from the data of strong earthquake observations at
different seismic stations. The most precise hodograph was obtained
for four strong Vartashen earthquakes. The records of 62 seismic

Card 1/2

Seismicity of the ...

S/169/62/000/004/006/103
D228/D302

stations were used for its construction. The thicknesses of the crust (40 km), the granite layer (19 km), and the basalt layer (21 km) were calculated on the basis of this hodograph. The hodographs of other earthquakes were found to be less accurate. It was established from the observations of the 1953 expedition that for an extent of 150 km (from Vartashen to Marazov) the seismic activity of the eastern part of the southerly slopes of the High Caucasus Range is very high. The epicenters and the depths of 213 earthquakes were determined, and a map of the epicenters was prepared. Considerable azimuthal anomalies of seismic waves, spreading along and across the strike of the High Caucasus Range, were exposed. /-Abstracter's note: Complete translation._/ ✓

Card 2/2

ISLAMOV, K.Sh.

Earthquake of December 1959 at the village of Nasosnyi. Dokl. AN
Azerb. SSR 20 no.5:23-26 '64. (MIRA 17.8)

1. Institut geologii AN AzSSR. Predstavleno akademikom AN AzSSR
A.D.Sultanovym.

ISLAMOV, M.

Experience of the "Tatarstan" Collective Farm in obtaining high
corn yields. Zemledelie 8 no.6:83-84 Ju'60. (MIRA 13:10)
(Aktaysh District--Corn (Maize))

ISLAMOV, M.F.; KHODZHAYEV, L.Sh.

Regularization of a Chew-Low type equation for the process

$\gamma + N \rightarrow 2\gamma + N$ in the approximation of a fixed nucleon.

Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 9 no.1:60-68 '65.

(MIRA 18:6)

1. Institut yadernoy fiziki AN UzSSR.

ISLAMOV, M.I.

ISLAMOV, M.I.

Phraseological word groups [in Azerbaijani with summary in Russian].
Izv. AN Azerb. SSR no.11:127-140 '57. (MIRA 11:1)
(Azerbaijani language--Terms and phrases)

ISLAMOV, M.Sh.

Improved design for a gas burner for drum dryers. Gaz. prom. 10
no.4:33-34 '65. (MIRA 18:5)

ISLAMOV, N. A.

PHASE I BOOK EXPLOITATION

1160

Islamov, Nasriddin Akhmedovich, Kozachkovskiy, Viktor Andreyevich, Mal'skiy,
Yakov Isakovich, Promtov, Aleksandr Nikolayevich

Tadzhikskaya SSR; *kratkiy istoriko-ekonomicheskiy ocherk* (Tadzhik SSR; Brief
Historical and Economic Study) Moscow, Gospolitizdat, 1958. 193 p. 25,000
copies printed.

Ed.: Petrova, S.; Tech. Ed.: Danilina, A.

PURPOSE: This book is intended for the general reader.

COVERAGE: This book is a popular survey of Tadzhikistan, i.e., mainly of its
physical geography, economic situation, history and culture. The section
on industries contains economic indices of the growth of industrial output
and a number of actual figures; as a rule, however, the information provided
on individual factories, projects, and deposits is very superficial. A few
good photographs, showing important industrial installations, are given. There
are some 50 photographs and 2 maps. No references are given.

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Tadzhik SSR (Cont.)

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I. From the Historic Past (Prior to 1917)	21
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AVAILABLE: Library of Congress

Card 2/2

MM/fal
2-12-59

ISLAMOVA, N.A., aspirant

Medicinal forms and galenicals from the herbs of some species of woodruff and the bedstraw *Galium articulatum* and their effect on the cardiovascular system. Azerb. med. zhur. 41 no.9:33-38 S '64. (MIRA 18:11)

1. Iz kafedry farmakognosii i botaniki (sav. - dotsent I.A. Damirov) tekhnologii lekarstvennykh form i galenovykh preparatov Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta imeni Narimanova, Baku. Submitted December 7, 1963.

MASSON, M.Ye.; ISLAMOV, O.I., redaktor; MENDOVAR, TS.I., redaktor; SOROKINA,
Z.I.; tekhnicheskiy redaktor.

[History of mining in Uzbekistan] K istorii gornogo dela na
territorii Uzbekistana. Tashkent, Izd-vo Akademii nauk UzSSR,
1953. 73 p. (MLHA 9:5)
(Uzbekistan--Mines and mineral resources)

ISLAMOV, O. I.

"Undertakings to Preserve and Document Ancient and Middle-Ages Mines"
Trudy Sredneaz un-ta, Geol. n., Bk. 5, 1954, 97-102

The author characterizes certain undertakings recommended in the execution of geological prospecting and surveying operations in the regions of ancient workings in the territory of Central Asia. (RZhGeol, No 6, 1955)

SO: Sum-No 787, 12 Jan 56

ISLAMOV, O.I.

Measures for preserving and documenting ancient and medieval mines.
Trudy SAGU no.52:97-102 '54 (MLRA 10:5)
(Mineral industries--History)

ISLAMOV, O.I.

Mining and geological concepts of Central Asiatic peoples from
ancient times to the 18th century. Osh.pu ist.geol.znan. no.4:
42-69 '55. (MLBA 9:5)
(Soviet Central Asia--Mineral industries--History)

15-57-1-759

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 120 (USSR)

AUTHOR: Islamov, O. I.

TITLE: The Cultural History of Stones in Central Asia (Iz
istorii kul'tury kamnya v Sredney Azii)

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1955,
Nr 8, pp 181-187.

ABSTRACT: From earliest times stones have been used by the
peoples of Central Asia: in primitive society as the
material for making weapons (flint, jasper, quartzite,
and quartz); ceramic products (clay), and for ornaments
(serpentine, chalcedony, and agate). In the slave-
holding period, lazurite, spinel, and turquoise were
used for ornaments; gypsum and limestone were used as
decorative ashlar; marble and clay were employed in
sculpture; and granite, marble, limestone, loess, and
gypsum found use as building stone. Mining developed
in the feudal society. The mines of Central Asia

Card 1/2

15-57-1-759

The Cultural History of Stones in Central Asia (Cont.)

produced silver, lead, gold, copper, mercury, antimony, tin, sulfur, alum, clays, colored stones, and gems. The conquest of Central Asia by the Mongols was a blow to the development of mining; only small quantities of colored stones and gems were extracted. The annexation of Central Asia to Russia proved to be a positive influence on the development of mining, but only after the socialist revolution did the extraction and development of mineral deposits in Central Asia become very extensive.

Card 2/2

G. N. A.

ISLAMOY, O.I.

Origin of geological knowledge in Central Asia. Trudy Inst.geol.AN
Us.SSR no.13:3-60 '56. (MLRA 10:2)
(Soviet Central Asia--Geology)

ARTOBOL'EVSKIY, I.I., akademik; KUDRYAVTSEV, P.S., prof.; OGORODNIKOV, K.F.,
 prof.; RZHONSNITSKIY, B.N., kand. tekhn. nauk; DOROGOV, A.A., kand.
 tekhn. nauk; VASIL'YEV, I.G., kand. tekhn. nauk; ISLAMOV, O.I., kand.
 geol.-miner. nauk; LEONOV, N.I., prof.; RADKHVICH, Ye.A., doktor geol.-
 miner.nauk; KUZNETSOV, B.G., prof.; MARIYENBAKH, L.M., prof.;
 RUBINSHTEYN, M.I., prof.; KALMYKOV, K.F., kand. biol. nauk;
 KONFEDERATOV, I.Ya., prof.; KOZLOV, A.G.; ZUSOV, V.P., prof.;
 IMSHINETSKIY, A.A.; DORFMAN, Ya.G., prof.; SHUKHARDIN, S.V., kand.
 tekhn.nauk; KEDROV, B.M., prof.; DANILEVSKIY, V.V., akademik; SHATSKIY,
 N.S., akademik; BYKOV, K.M., akademik.

Speeches. Vop. 1st. est. 1 tekhn. no.6:111-141 '59.

(MIRA 12:6)

1.Chlen-korrespondent AN SSSR (for Imshinetskiy). 2. AN USSR
 (for Danilevskiy).

(Science) (Technology)

ISLAMOV, O.I.

Discovering remains of old mining sites in the republics of Central Asia in 1955. Trudy Inst.ist.i tekhn. 33:192-200 '60.

(MIRA 13:8)

(Soviet Central Asia--Mines and mineral resources)

ISLAMOV, O. I.

Doc Geol-Min Sci - (diss) "Origin and growth of geological knowledge in Central Asia from the most ancient times until the beginning of the XIX century." Moscow, 1961. 42 pp; (Ministry of Higher and Secondary Specialist Education USSR, Moscow State University M. V. Lomonosov); 250 copies; price not given; list of author's works on pp 40-42 (16 entries); (KL, 6-61 sup, 201)

ISLAMOV, O.I.; PETROV, N.P.

Aleksei Nikolaevich Chistiakov; 75th anniversary of his birth and
the 10th anniversary of his death. Uzb. geol. zhur. 8 no.5:84-85
'64. (MIRA 18:5)

UKLONSKIY, A.S.; GOLUBKOVA, Ye.M.; ISLAMOV, O.I.

Trends in the research of the Department of Geology of the Tashkent State University. Nauch. trudy TashGU no. 249. Geol. nauki no. 21:3-15 '64. (MIRA 18:5)

ISLAMOV, R.M., red.; MAKAROVA, A.M., tekhn. red.

[Artificial leather] Kosha iskusstvennaia. Izd. ofitsial'-
noe. Moskva, Standartgiz, 1962. 58 p. (MIRA 16:6)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izme-
ritel'nykh priborev.

(Leather, Artificial--Standards)

ISLAMOV, R.M., red.; MATVEYEVA, A.Ye., tekhn. red.

[Cotton fabrics and piece goods] Tkaní khlopchatobumazhnye i
shtuchnye izdeliia. Izd. ofitsial'noe. Moskva, Standartgiz,
1962. 155 p. (MIRA 16:6)
(Textile industry--Standards)

ISLAMOV, R.M., red.; MATVEYEVA, A.Ye., tekhn. red.

[Woolen fabrics and piece goods] Tkaní sherstiane i shtuchnye izdeliia. Izd. ofitsial'noe. Moskva, Standartgiz, 1962.
115 p. (MIRA 16:2)

(Textile fabrics--Testing)

(Woolen and worsted manufacture--Standards)

14-57-7-15381
Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 183 (USSR)

AUTHOR: Islamov, S.

TITLE: Prospects for the Development of Animal Husbandry in
Issyk-Kul' Oblast (Perspektivy razvitiya zhivotnovod-
stva v Issyk-Kul'skoy oblasti)

PERIODICAL: S. kh. Kirgizii, 1956, Nr 12, pp 43-36

ABSTRACT: The author lists the causes delaying quick development
of animal husbandry on each 100 hectares of agri-
cultural land and makes recommendations on how to
overcome them.

Card 1/1

No name

ISLAMOV, Sh.

Let's increase production of general consumers' goods.
Sov.torg. no.6:58 Je '58. (MIRA 13:2)

1. Upravlyayushchiy Uzbekskoy respublikanskoy kontoroy
Glavkul'ttorga.
(Uzbekistan--Retail trade)

22330

S/167/61/000/001/003/004
A104/A133

9.7/60

AUTHORS: Islamov, S. I., Pulatov, I.

TITLE: Alterations in the block scheme of the cyclic operation of the control device of the "Ural" Computer

PERIODICAL: Izvestiya Akademii nauk UzSSR. Seriya tekhnicheskikh nauk, no. 1, 1961, 58 - 66

TEXT: The author describes some modifications carried out in the "Ural" electric computer which performs computations with fixed or floating points. In the latter case the computer carries out the function with mantissa and number order. An example demonstrates the adjustments of cyclic operation block ensuring that the number of cycles of complete and incomplete variable addresses during one operation should be $\frac{n_1}{2} + 1 = n_2 + 1$ or $\frac{n_1}{2} = n_2$ (1)

The content of the cycle counter is divided by two and is transcribed onto the instruction register. On binary computers the operation is simple since the division is performed automatically by transcribing the entire cycle counter content onto the instruction register and shifting to the right by one digit. For this

Card 1/6 3

22330

Alteration in...

S/157/61/000/001/003/004
A104/A133

According to the new system in cycles with mixed addresses and repeated instructions the value n remains unchanged for all instructions and the addresses may be complete or incomplete. The completeness characteristic of value n retains its effect. The functional circuit of the modified block of cyclic operation is shown in Figures 2 and 3 [Abstracter's note: in Figure 2 entries have been corrected to read: amplifier $\gamma - 06$ ($U - 06$) controls direct transcription valves 11K-30. On $C62 - 31$ ($Sb2 - 31$) "0"-11 p. Pz. K. should read "0"-12 p. Pz. k]. Figure 4 shows the computation process involving the determination of the number of maximum absolute value. As noted, there is no entry on the cycle counter from the 12th instruction register digit onwards. However, for problems with cyclic operation 25 2000 where there should be 4000 in the address area after shifting along the instruction register, blocking of the 12th digit would lead to errors as here it represents a number. Such errors are prevented by $C74 - 24$ ($Sp4 - 24$). In view of these results $14 - C73 - 24$ ($14 - Sp3 - 24$) which had controlled the conversion of the 1st digit of the cyclic operation counter was removed, whereas $14 - 2K - 15$ ($14 - 2K - 15$) and $14 - C62 - 17$ ($14 - Sb2 - 17$) were converted into $14 - K - 15$ and $14 - C63 - 17$ ($14 - Sb - 17$). There are 4 figures and 1 table.

Card 3/6

*Institute of Mathematics im. V.I. Romanovsky
of the Academy of Sciences, U.S.S.R*

ABDULLAYEVA, Kapiya Sher'yazdanovna; ISLAMOV, S.U., red.;
BEYSHENOV, A., tekhn. red.

[Put hidden potentialities of production in the service of
the people] Rezervy proizvodstva - na sluzhbu narodu. Frunze,
Kirgizgosizdat, 1962. 73 p. (MIRA 15:7)
(Kirghizistan-Clothing industry)

ISLAMOV, T. M.

USSR/Scientific Organization - Conferences

Card 1/1 Pub. 124 - 18/32

Authors : Islamov, T. M.

Title : ~~Scientific sessions, conferences and meetings~~
Scientific sessions, conferences and meetings

Periodical : Vest. AN SSSR 25/6, 88-89, June 1955

Abstract : Minutes are presented of the extraordinary plenum held during March 31 and April 1, 1955 at the Institute of Historical Sciences honoring the tenth anniversary of the liberation of Hungary by the Red Army.

Institution :

Submitted :

S/169/62/000/003/072/098
D228/D301

AUTHORS: Burkova, M. V. and Islamova, D. A.

TITLE: Aeroclimatology of the tropical tropopause over Central Asia in summertime

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 42, abstract 3B321 (Tr. Sredneaz. n.-i. gidrometeorol. in-ta, no. 4(19), 1961, 126-128)

TEXT: Maps of the tropopause's topography in the summer seasons (June-August) of 1958 and 1959 are examined together with one of the relative positions of the tropical tropopause and the maximum wind level. The height of the tropical tropopause increases southwards and varies from 14.1 to 17.6 km; its temperature drops from -56.8 to -70.4°. It is noted that a ridge of tropopause contour-lines tends to form in the east of Central Asia, while a trough develops in the center and in the west. On an average the maximum wind layer is situated below the tropopause. [Abstracter's note: Complete translation.]

Card 1/1

POLAND

ALIEV, R.N., DAMIROV, I.A., and ISLAMOVA, N.A.; Chair of Pharmacognosis and Technology of Drug Forms and Galenic Preparations, Azerbaijan Medical Institute im. N. Narimanov [Original-language version not given]

"Some Plants of the Azerbaijan SSR Containing Coumarin and Its Derivatives and Their Use in Therapeutics."

Warsaw, Farmacja Polska, Vol 19, No 15-16, 25 Aug 63, pp 317-325

Abstract: Azerbaijan has a rich flora containing coumarin and its derivatives. The article discusses concisely the physical and chemical properties of these substances, and lists the methods for their derivation, synthesis, and determination. It gives the molecular structure and reaction patterns, and discusses individually the derivatives found in the plants, grouped under oxy- and furocoumarins, as well as their biological effects and uses in medicine. Two large tables are given, one for the plants containing coumarin and the other for plants containing coumarin derivatives, showing the Latin and Polish names of the plant, part in which substance found, active ingredient, and use in official and popular medicine. List of references with authors.

1/1

ALIJEV, R.K. [Aliyev, R.K.]; DAMIROW, I.A. [Damirov, I.A.]; ISLAMOVA,
N.A. [Islamova, N. A.];

Some plants from the Azerbaijan S.S.R. containing coumarin
and its derivatives as well as their use in therapeutics.
Farmacja Pol 19 no. 15/16:317-325 25 Ag '63.

1. Katedra Farmakognozji i Technologii Postaci Lekow i
Preparatow Galenowych Azerbajdzanskiego Instytutu
Medycznego im. N. Narimanowa.

ISLAMOVA, N.A.

Pharmacognostic study of some species of woodruff and bedstraw
of the Azerbaijan flora. Azerb.med.zhur. 42 no.1:38-42 Ja '65.
(MIRA 18:5)

ISLAMOVA, N.A.

Pharmacognosy of some species of woodruff from the flora of
Azerbaijan. Apt.delo 14 no.2:25-31 Mr-Ap '65.

(MIRA 19:1)

1. Azerbaydzhanskiy meditsinskiy institut imeni N.Narimanova, Baku.
Submitted December 13, 1963.

VETUKOV, M.M.; ISLAMOVA, R.G.; CHUVILYAYEV, R.G.

Anode consumption during aluminum electrolysis. Izv.vys.ucheb.
zav.; tsvet.met. 5 no.3:80-88 '62. (MIRA 15:11)

1. Leningradskiy politekhnicheskii institut, kafedra elektropiro-
metallurgii tsvetnykh metallov.
(Aluminum--Electrometallurgy)

ISLAMOVA, Kh.Z., inzh.

Rotor disengaging clutch. Bezop.truda v prom. 6 no.6:24 Je '62.
(MIRA 15:11)

(Clutches (Machinery))

ISKENDER-ZADE, A.M.; AMETOV, M.Yu.; ASRIYAN, V.A.; ZSIBYAN, H.M.; ISLAM-ZADE,

A.Z.

Progressive welding and cutting methods used at the October
Revolution Plant (Baku) for manufacturing oil-field stop gates.
Azerb. neft. khoz. 37 no.5:44-46 My '58. (MIRA 11:8)
(Oil fields--Equipment and supplies)

AUTHORS: Meyerson, G. A., Islankina, A. F. SOV/89-5-2-9/36

TITLE: Metallic Thorium (Metallicheskiy toriy)

PERIODICAL: Atomnaya energiya, 1958, Vol. 5, Nr 2, pp. 155-165 (USSR)

ABSTRACT: A report is given on Soviet investigations dealing with the production of compact thorium by means of the powder-metallurgical method. The physico-chemical properties and the characteristics of the pressing of electrolytically- or calcium-reduced thorium powder are given. Calcium-reduced powder is less easily compressed than electrolytical thorium powder as it has a lower bulk weight and a higher content of oxide films. The main factors which are decisive for the sintering process are dealt with theoretically. Experimentally the changing of the strength and plasticity of the compact thorium from electrolytically- or calcium-reduced produced powder, in dependence on the sintering process and time, is determined. Briquettes made from calcium-reduced powder without porosity change their shape considerably during sintering at temperatures of more than 1 150 - 1 200°C. This is due to the high degree of volatilization of the calcium.

Card 1/4

Metallic Thorium

SOV/89-5-2-9/36

For the purpose of obtaining compact thorium metal from calcium-reduced powder, the sintered briquettes must be pressed cold a second time, after which they are annealed. The following physical and mechanical properties of powder-metallurgical thorium were found:

	electrolytical thorium	calcium-reduced thorium
Structure of the lattice at 20°C	face-centered	cubic
Lattice spacing kX		5,07
Actual density g/cm ³		11,75
Melting temperature °C		1700 ± 20
Electric conductivity Ω.cm		~ 5 · 10 ⁴
Specific electric resistance Ω.cm		18 ÷ 20 · 10 ⁶
Thermal conductivity kcal/m.h.°C	37 (103	$\frac{\text{cal}}{\text{sec. cm}^2 \text{°C}}$)

Card 2/4

Metallic Thorium

SOV/89-5-2-9/36

	electrolytical thorium	calcium-reduced thorium
Linear coefficient of dilatation 0-100°C	11,3 ÷ 11,5 · 10 ⁻⁶	
Linear coefficient of dilatation 100-800°C	16,3 - 16,5 · 10 ⁻⁶	
Micro strength kg/mm ²	55-75	-
Density of the compact metal g/cm ³	11,60	11,5
Strength H _B kg/mm ²	50	70
Tensile strength σ _b kg/mm ²	16,5	22
Stretching strain limit σ _s kg/mm ²	8	13
Specific elongation δ %	35-43	17-23
Specific narrowing ψ %	25-31	-
Impact strength α _k kg.m/cm ²	1,35	1,14

Card 3/4

There are 11 figures, 2 tables, and 22 references, 8 of which are Soviet.

ISLANKINA, T. F.

KHALUGA, Anton Kus'mich, inzhener, laureat Stalinskoy premii; ~~IS-~~
~~LANKINA, T.F.~~, redaktor; ISLENT'YEVA, P.G., tekhnicheskiy re-
daktor.

[Over-all mechanization of peat briquet production] Opyt kompleks-
noi mekhanizatsii torfobriketnogo proizvodstva. Iz praktiki raboty
torfobriketnogo zavoda v Tootsi Netonskoi SSR. Moskva, Izd-vo "Znanie,"
1954. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znaniy, Ser. 4, no. 24) (MLRA 7:9)
(Peat industry)

~~ISLANKINA, T.F.~~

MERKULOV, Igor' Alekseyevich; ISLANKINA, T.F., red.; GUBIN, M.I., tekhn.
red.

[Artificial satellites are the triumph of K.E.TSiolkovskii's
ideas] Iskusstvennye sputniki - torzhestvo idei K.E.TSiolkov-
skogo. Moskva Izd-vo "Znanie," 1958. 68 p. (Vsesoiuznoe
obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh
znanii. Ser.4, no.8/9) (MIRA 11:6)

1. Predsedatel' Nauchno-tekhnicheskogo komiteta reaktivnoy
tekhniki Tsentral'nogo aerokluba SSSR imeni V.P.Chkalova.
(for Merkulov)

(Artificial satellites)

(Jet propulsion)

(TSiolkovskii, Konstantin Eduardovich, 1857-1935)

AGOSHKOV, Mikhail Ivanovich; MOCHALIN, Mikhail Panteleymonovich, kand.
tekhn.nauk; ISLANKINA, T.F., red.; SAVCHENKO, Ye.V., tekhn.red.

[Mechanization of underground ore mining] Mekhanizatsiia
podzemnoi dobychi rud. Moskva, Izd-vo "Znanie," 1958. 44 p.
(Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy. Ser. 4, no.36) (MIRA 12:7)

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(Mining machinery)